

Opening the comero and inserting the film . 2-4 Setting the film counter 5 Right Hore is the first and most important piece of article for the VITOMATIC II. Please read this booklet carefully. Setting shutter speeds and opertures ... 8-11 The self-timer (delayed action release) 11 Make yourself thoroughly familiar with all the operations and controls of the camera. Then you can load your first film and begin to take pictures. The rapid winder - the double exposure lock . . 14 Remember also that the VITOMATIC II is an optical and The crystal bright-line frame finder 15 mechanical precision instrument which requires gentle and sensible treatment. The comera will repay careful handling with beautifully clear and sharp pictures for

many years to come. VOIGTLANDER A. S. BRAUNSENWEIS

Flash exposures 16-19

Hints for using the exposure meter 23-27

Loading and unloading the Camera Standard 35 mm, miniature film for 24x36 mm, nepatives is commercially available as black and white as well as colour film in daylight cossettes of 36 or 20 ex-

Although the cassettes are light-light, it is advisable not to expose them to strong light. Make a point therefore of always loading and unloading the camera in the shade - even the shadow of your own



the back from the body.

First lift up the base plate latch (25), and turn if through a quarter turn to the right. Then fold away the base plate flop (24) as skown in the illustration, and swing open

A Inserting the Country

. Pull out a short length of the film lends from the cossette, and push it into the slit of the take-up spool (27) as far as it will

· Drow the requests arross the film track and insert it in the country chamber The shalt (22) of the rewind knob must properly enouge the corrette, otherwise you will not be able to close the comerc

· Now push the reversing fever (5) bookwords (making the rewind knob (4) jump ing lever (28) until the film leader is firmly perforations. Then push the rewind knob

-3-





Reform closing, the loaded



Closing the Camera Back

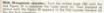
position, turn the base

plate latch (25) to lock it, -4-

Sotting the Film Counter

From time the film is advanced, the film counter show the number of exposures still available. If thus over had

With M-exposure cossettes: Turn the milled levels (N) until the red father "F" appears below the index more in Pull the smile



The filty indicator in the rewind knob (2) is intended solely as a











♦ Unloading

After the last frame the exposed film must be rewound from the take-up spool into the daylight cassette:

Push back the reversing lever (5); the rewind knob (4) will spring up into its operating position (see it)bustration).

Turn the rewind knob in the direction of the arrow white observing the film counter window. The film counter own rose bods from No. 1 (lost exposure). When after No. 36 or 29 the red letter "F" or the red mark for No. 27 respectively is bellow the index mark, the film is fully rewound. The crossette ran then be removed from the

Changing Partly Exposed Films

With the VTOMATIC II you can at any time take out a parity exposed film and change over to another one (e. g. from black-and-white to calcur) without the need for a distriction:

• Revind the parity exposed film into its cassalle, as already described on

- page 6. Make a note, however, of the lost number that appeared in the film counter window.
- When re-inserting the parity exposed film, praceed in the same way as described on pages 3 to 5 up to selting the film counter to "F" or to No. 22.
- Then push back the reversing lever (S), letting the rowind knob (4) spring up. Keep pulling the ropid winding lever (28) fully to the right until the number following the number originally noted appears in the film counter window (21) below the second origin made; and

Finally push back the rewind knob (4), pull the rapid winding lever (30) once more as far as it will go, and carry on exposing the film in the narmal way.



The Perfect Automatic Exposure System of this comera gives you at the same time the maximum cortainty of correctly exposed pictures, and a hitherta inconceivable simplification in operation

A single turn of the universal setting ring covers the whole operturespeed scale in one continuous range, and brings the setting pointer of the exposure motor to coincide with the motor needle at any

In other words, without having to engage or disengage any sort of coupling, and completely independently of the shutter speed or operture set, you in effect use the shuller to take the meter reading. In that way you automatically set a correct operfurn-speed combination on the camera according a like prevailing light conditions. In case the index-mark is in between two speeds let it click into position apposite the figure sext to it.

The VITOMATIC II provides this refinement with the new Prontor SLX-V shutter in the special version, coupled with the built-in photo-electric exposure meter.

A Softing the Film Count

Fully depress the lever (21), and turn the front milled rim isse white arrowl of the universal setting ring (6) until the required film sper figure opposes in the DIN or ASA window (I.S. Release the lever again, and the front rim is on more counted with the universal setting rise. A removing totals of film upsed systems in given on



Point the comera at the subject, and turn the universal setting ring (6) to the left or right until the white circle of the setting marker (19) coinrides with the exposure meter needle [20], as shown in the illustration on the right. Take care however, not to obscure the honeycomb cell

You will find further useful hints on toking exposure





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The Aperture-Speed Settings

By taking the exposure reading as described on the previous page, you have lift the same time set an aperture-speed combination to suit the prevailing light conditions. You can now shool, unless you wish to use a different shutter speed (e. a. for moving subjects) or a different aperture (for greater depth of field—

see page 28).

In that case simply turn the shutter speed ring (7) to the required speed or operture; the corresponding operture or speed respectively can be read off immediately. A single turn of the shutter speed ring thus covers the whole range of

operture-speed combinations unlabble for your subject.

But places note: Come yor leves taken the segment reading, do not nover the conversal sating; ring [6] are more, otherwise the affective that the segment report ring (7) to that the black double index § good bright the left back fails 17(2) and the place was considered the left back fails 17(2) and the right back fails [12(2) and the operative scale, to both course the setting marker would no longer coincide with the automator marker needed.

 The block figures on the shutter speed scale (*** to *)** second) are the usual safe speeds for bond-held shots.
 The comparing figures (fig. to 1 second) are also speeds which are timed parameterally by

_ 11 _

one the state upon presuming the extense button (III. However, of these appeads of time support expensions (ii. g. a frequency of a smooth supporting symitate) is destructed a distribution of expensions.

When setting on oness "8" the states will remain some as large on the release is

objectives. It is sectionmented to use a coble release which screen into the release button [1]. (On the smile "8" corresponds to 2 sections within the scale.)

• The green Equies of to 40 full set, or a auxiliary values. Such long expaiser times and foreseen in the shaller exchange. These sinderior possible exposure three whose the same of foreseen in the shaller exchange. These sinderiors possible exposure three whose the same of foreseen in the shaller exchanges. These

setting ring (6) until the desired disphrops tigure is opposite the mark a and like expose.

When you have set the correct aperture-speed containation and the distance and hour tensioned the shutter set the specific property of the specifi





Setting the Distance

is particularly easy with the YTOMATIC II: In the centre of the crystal bight-line frame finder you can see the bright-circle rangefinder field. As long as the rengefinder is not correctly facused on the subinct, the latter appears with double autilines







children at play) often yield surprisingly live pictures. On such accasions don't waste lime by sathing the exact distance. Instead, set the focusing scale fit the near zone mark "of or subjects between 8 and 17 feet, and to the for zone mark of set subjects between 16 feet and to the for zone mark of feet, and to the for zone mark of feet subjects between 16 feet and infinite.

You must, however, stop down to at least 1,5.6 (marked in red) to ensure adequate dooth of field.

Provided the light is good enough, these focusing zones are very useful when photographing sports subjects, where subject distances may change very cuidance.





The Rapid Winding Lever

One full increment of the lever tensions the shutter, and advances the film and the film counter. A spring then returns the

lever to its original position.

The rapid winder can of course also be worked in a number of short movements. In that case keep pulling the lever until it larks. An automatic lock prevents the

it locks. An automatic lock prevents the rapid winder from being operated as second time before the shotter is refeased. Conversely, the shutter can only the released after operating the rapid winding lever.

This prevents both doubte exposures and more frames. If the comera is empty, the rapid winder moves freely without tensioning the shaller.

The Crystal-Bright-Line-frame Finder

This really unique finder not only shows the subject in full notural size, but you can also keep the other eye apen and thus observe the surroundings of the subject as well. This is a special asset when taking condid action shots. The morvellous brilliont image frame clearly sutlinss the

Note that with near subjects at about 3 less from the conserva the field of view in the finder is displaced downwards or sideways, occording to whether the comero is held horizontally or upright. This is indicated by the two short marks in the crystal bright-line frome (see illustration) open (2).









Flash Shots Rosh unit on the morket

The PRONTOR SLK-V shutter permits synchronized flash shats up to the fastest shatter speed of 1/m second with any flosh oun or electronic

Please Note:

With black-and-white film the flash (clear or blue bulbs, or electronic flosh) can be used on its own. or combined with daylight or artificial light sources such as tungsten lamps.

When using a flash for colour-films fartificialand dov-light) we recommend to observe exactly the instructions for use of these films. In cours of doubt please contact your photo-dealer.

Small light-weight units such as the Voigt-Minder battery-capacitor flash oun can be fitted directly into the occessory shoe (12) of the corners (see illustration on the left). Larger flash puns or the flash holders of electronic flash units are appearably fitted to the side of the camero by means of a

circuit between the flosh unit and the cable into the flash socket (33), as shown

Warning: Navar use the shatter contacts to fire flosh bulbs from the usual 118 or 250 walt makes

Anunting the Flork Gun on the Comera

The flosh coble completes the electric

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Setting the Shutter and the Aperture

• Setting the Shutter and the Aperture Flash bulbs and electronic flash units differ in their characteristics such as the firing delay and light output; the table opposite classifies them in several groups. To ensure that the peak brightness of the flash coincides with this restord when the shutter is fully open, there are two traces of syndromization; "All" and "State".

Balors toking a flosh shot therefore move the syndromizing lever (16) of the PQNINGS SLKV shottler to the yellow dot merked "M" or to the yell of which we have the yellow of the period of the yell of the morked "A", or required, You can then use all types of flosh and oil the shutter speeds (titled on the tables proposels under "M" or X" respectively. Nate: For flosh shots with the self-linear (with the syndromizing lever set to the green dot "V" use only the bathers speeds listed in the tobble under "X".

Y just dony in distinct predict increase in the count of the control of the co

Shutter Speeds	Synchronizing Lever		New soliable for Mayor chancation	1 to 1 30 1 to 1 300	T to 1000 (380 to 1000	Synchronizing Laver Set to X	\$ to Tribb
Sultable Shu	Flosh Boths	Meke Type	Gas figure SM Variations SM Navi second SP Sphelido Wast Electric SM	Philips PFI Derew XM 1 PFS Observe XM 1 PFS Observe XM 5 Sectors XM 5 Sectors AC	West Essent 0 West Encire 3 West Essent 6 Geo. Essent R.S. Geo. Essent R.S. Sylvan a 73	Electronic Flosh Units	Barra especial

Volutländer Filters

- 20 -

are made at sancteneranically total action alone dued in the mass and contad values, as New necessaria depend on the colour sensitivity of the block-andwhite film used, and on the light conditions prevailing at the time of the exposure

Yollow filter G 15 x

Yellow Filter G.3 v. Universal filter for landscapes and other autidoor subjects.

Grean filter Ged v.

Oronno filter Or S v.

Ultra-violet filter UV Cuts out aftroviolet redistion in high mountains or near the

& Series the filter forters

the use of any filter igacest the ultre-violet filter) during the exposure retaines a ration

Example 8: If the anestern-speed combination obtained in I second or (Q.8 little lowest limit

For a factor of 3th times odypace the universal selling ring by one whole ribrision

For a factor of 4 times advance the universal selling ring by one division to "8" at 17.8)

Close-ups with Proximeter

Large-scale views of objects and ing subjects, are made really simple

close up attachment is, that it germits hand-held class-up shals with the comera instantly ready for action an important point with five or rapidly moving subjects. At the same time the vinwfinder parallax at close



Hints for Using the Exposure Meter

Generally it is sufficient to point the exposure meter at the subject from the excessive contrasts of light and shade and which are not set against an excep-

With outdoor shats, especially open views, the sky nearly always accupies part the brilliant sky reflects much more light than the subject itself (the landscape, buildings, paimals) if is advisable to point the comera slightly downwards when

Exceptions are shots at interesting cloud formations where foreground



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In some cases close-up readings are necessary

. Light subjects peopled a dark background.

· Clase-ups of small objects and animals: · Nearly oil exclures of ceople, especially to this case only the important gords or the

When taking a class of product product approach the subject sufficiently closely to they the

Note this rule-al-shamb for close-up readings: The exposure means should not be further page from the measured area than the width of that area.

With tride subjects or situations applying autrems brightness differences between the subject and its background or surroundings (e. a. against-the-light shats. seaw subjects), incident light mensurament is often more useful. to that case mount the diffusion screen as frost of the exposure meter window (9).

be used. This then measures the light actually reaching the subject, incident light modesternest is also successful with interiors with or without artificial light. for

A diffusion screen is enclosed with every VITOWATIC II and can be carried in

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Exposure with Colour Shots

Exposure readings for colour pictures are taken in the same way as for bladand-white film. Note however that reversal safeur film has a very limited exposure lokade and therefore needs specially consult readings.

> (lin = if is advisable to collector the nears for the consens and line by a few exposure text. When post lined by even colours film therefore choices are interesting subjects and suppose o ferme on each one with the superimer-partiel conditionates inclinated by the exposure nears. At the same field, and exposures of this sense volkies from the same selverated and in the same field, the girting half to only out on substitute to the condition of the same field.

> Overexposure of exercual colour film yields a very light transposurery which may Nowever still be usable. Underexposure results in accessively dark images. The description of the constant of the industry of professional states.

Comparison of Film Speed Systems

The VITOMATIC II can be sel to various ASA or DIN film speeds. The actual values marked are Rissa, which correspond to most colour and black-and-white film-ratings on the marler (see bold figures in table).

However there are two more relings, which are quite often used those of 32 and 10 ASA. For these Rhits you find a white point near the next higher or forwer falm speed, but the sotting ving click into position right these. All other voltages not marked can be set often by objuring the ring [page 18] for

For film refings of other (ilm speed systems use the companion table (DIN, 85) and Weston) to get the correct film speed corresponding to those as the

ASA	DIN	BSI	Waston
10	D4	21	R
12	12*	22	18
16	1,35	27.	17
20	141	24	16
25	15*	25	28 24
32	16*	26	24
40	374	27	32 60 50
54	18"	28 29	40
- 10	104	29	50
80	201	30	64
100	231	31	86
125	72"	32	100
160	724	33	125
200	24"	34	166
250	25*	35	200
325	285	36	250

Aperture and Depth of Field

The depth of field covers that port of the subject area in front of, and behind, the focused distance which appears acceptably sharp in the picture. The extent of this shorp zone is by no means constant: it increases the more you stop down the lans, and decreases the larger the lans partner. In shorts.

Large aportures (e, g. §/ 4) yield limited depth of field;

Small opertiers (s. 0. (11) yield greater depth of End., The evaluable depth of field zone is easily determined. After you have set the less to the correct subject distones, look at the depth of field scale (UI). This corries two series of copriser numbers enrouged symmetrically in the left and the right of the jield. The depth of field then settled from the distincts marking apposite one of the left hand operture Gipnes to the distance northed opposite the corresponding right hand operture. Expire less the Martinifica (in the control of the control operation is to the Martinifica (in the control operation is placed operative Expire less the Martinifica (in the control operation is the control operation is the Martinifica (in the control operation operat he Camura and Lens

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Germany,

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zone focusing on page 131.

fitted to your camera is a fourelement unit, and is one of the series of Voigtlander high-class anastigmat lenses. It meets every requirement for cotimum image quality: excellent definition. high brilliance, and maximum resolution over the whole picture area - coupled with obsolutely faithful colour rendering in colour photography. - The Calar-Skopar is focused by the movement optical and mechanical unit. It goes without We approprie this comera against defects due to faulty meterials or workmanship according to present-day standards of technical perfection. Should any such defects become apparent, they will be rectified free of charge if the claim is made within a reasonable period after purchase. We connot entertain claims for further damages, consequestiol or otherwise, or for the free repair of louits due to incorrect bondling or storage

CREATED





VITOMATIC II

24 x 36 — 35 mm

- 1 Lens Focusing mount with distance scale
- 2 Dot divisions on setting ring (6) for filter factor adjustment
- 3 Viewfinder window 4 Rowind knob with film
 - indicator Reversing lever
- 6 Universal setting ring for exposure readings, combined
 - with film speed setting ring.
 7 Shutter speed ring
- B Rangefinder window

 9 Honoycomb cell window
- 9 Honaycomb cell window of exposure moter
- of exposure meter

- 10 Exposure meter setting window
- with coble release socket
 12 Accessory shoe
- 13 Depth of Reld scale
 - 14 Setting window (DIN or ASA)
 - 15 Shotter speed scale 16 Synchronizing lever for M and
- X synchronization and self-timer (V)
- 17 Distance scale
- 18 Aperture scale
- 19 Setting marker of exposure mater
 - Exposure meter needle





5 Reversing lever

- Universal setting ring for exposure readings, combined with film spend setting ring
- 7 Shutter speed ring for setting the correct operture-speed combination after taking the exposure reading
- 21 Viewfinder eyepiece
- 22 Shaft of rewind knob
- 23 Cosette chamber 24 Base plate flap
 - 25 Base plate latch
 - 25 Wase plate latch

- III Sprocket to operate shutter, film counter and double
- 27 Take-up spool
 - 28 Repid winding lever to advance the film and cock the shutter
 - 29 Lever IS uncouple the (iles speed setting ring (see No. 6)
 - 30 Milled film counter setting knob
 - 13 Film counter window 32 Tripod bush
 - 33 Flash socket